

hist

(FILE 'HOME' ENTERED AT 17:38:03 ON 23 OCT 2003)

FILE 'REGISTRY' ENTERED AT 17:38:09 ON 23 OCT 2003

L1 3034 S TRIHYDROXYBENZO?
L2 0 S TRIHYDROXYBENZOIC ADJ ACID
L3 126 S TRIHYDROXYBENZOIC (W) ACID
L4 1 S 610-02-6
L5 1 S 149-91-7

FILE 'CAPLUS, MEDLINE' ENTERED AT 17:42:11 ON 23 OCT 2003

L6 196 S L4
L7 11606 S L5 OR GALLIC
L8 1744 S L7 AND ANTIOXIDANT
L9 22086 S RADICAL SCAVENGER
L10 170 S L9 AND L8
L11 25 S L9 AND GALLIC/TI
L12 18 DUPLICATE REMOVE L11 (7 DUPLICATES REMOVED)
L13 7 S L6 AND ANTIOXID?
L14 7 S L7 AND RADIOLAB?
L15 6 DUPLICATE REMOVE L14 (1 DUPLICATE REMOVED)
L16 2 S L7 AND RADIOTHERAP?
L17 1089 S L7 AND GALLIC/TI
L18 104 S L17 AND L8
L19 93 S L18 NOT L11
L20 79 DUPLICATE REMOVE L19 (14 DUPLICATES REMOVED)
L21 13 S L20 AND (FOOD OR THERAP?)

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Terms	Documents
L6 and antioxidant.clm.	40

Database:

US Patents Full-Text Database
 US Pre-Grant Publication Full-Text Database
 JPO Abstracts Database
 EPO Abstracts Database
 Derwent World Patents Index
 IBM Technical Disclosure Bulletins

Search:

L7

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<u>Set Name</u> side by side	<u>Query</u>	<u>Hit Count</u>	<u>Set Name</u> result set
<i>DB=USPT; PLUR=YES; OP=AND</i>			
<u>L7</u>	L6 and antioxidant.clm.	40	<u>L7</u>
<u>L6</u>	L2 and gallic.clm.	91	<u>L6</u>
<i>DB=USPT,PGPB,JPAB,EPAB,DWPI; PLUR=YES; OP=AND</i>			
<u>L5</u>	2 and gallic.clm.L3	0	<u>L5</u>
<i>DB=JPAB,EPAB,DWPI; PLUR=YES; OP=AND</i>			
<u>L4</u>	L3	51	<u>L4</u>
<i>DB=USPT,PGPB,JPAB,EPAB,DWPI; PLUR=YES; OP=AND</i>			
<u>L3</u>	L2 and (food or tea or therap\$)	735	<u>L3</u>
<u>L2</u>	L1 and antioxid\$	1822	<u>L2</u>
<u>L1</u>	gallic	6939	<u>L1</u>

END OF SEARCH HISTORY

WEST

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L4: Entry 47 of 51

File: DWPI

Nov 10, 1981

DERWENT-ACC-NO: 1981-94013D
DERWENT-WEEK: 198151
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TITLE: Antioxidant for oil and fat used in foodstuff - comprises gallic acid and L-ascorbic acid

PATENT-ASSIGNEE:

ASSIGNEE

NIPPON OILS & FATS CO LTD

CODE

NIOF

PRIORITY-DATA: 1980JP-0047246 (April 10, 1980)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP 56144060 A	November 10, 1981		003	
FR 2513491 A	April 1, 1983		000	
JP 82059739 B	December 16, 1982		000	

INT-CL (IPC): A23D 5/04; A23K 1/16; A23K 3/00

ABSTRACTED-PUB-NO: JP 56144060A

BASIC-ABSTRACT:

Antioxidant for feed use is composed of 70-99 w/w% of gallic acid and 1-30 w/w% of L-ascorbic acid.

The antioxidising activity of antioxidant is stronger than that of 6-ethoxy-1,2-dihydro-2,2, 4-trimethyl-quinoline and the amt. of the antioxidant for attaining similar antioxidising effect as Ethoxyquin can be decreased to ca. 1/3. Usually the antioxidant is combined 50-200 ppm in the starting oil and fat of feed use and 10-100 ppm in assorted feeds.

By combining L-ascorbic acid in gallic acid, the discolouration with iron can be prevented, and also the antioxidising activity of gallic acid is synergically intensified. Oxidn. of the oil and fat in feed, can be prevented.

TITLE-TERMS: ANTIOXIDANT OIL FAT FOOD COMPRISE GALLIC ACID ASCORBIC ACID

DERWENT-CLASS: D13 E19

CPI-CODES: D03-G01; E07-A02; E10-C03;

CHEMICAL-CODES:

Chemical Indexing M3 *01*

Fragmentation Code

F012 F013 F014 F015 F113 H4 H403 H421 H482 H8
J5 J522 K0 L8 L818 L821 L832 L9 L942 L960
M280 M312 M321 M332 M343 M373 M391 M413 M510 M521
M530 M540 M782 M903 M910 P863 Q224 Q624

Chemical Indexing M3 *02*

Fragmentation Code

G017 G100 H4 H403 H443 H8 J0 J011 J1 J131
M280 M320 M414 M510 M520 M531 M540 M782 M903 M910
P863 Q224 Q624

UNLINKED-DERWENT-REGISTRY-NUMBERS: 0035U; 1170U